Publication No. 8F2922
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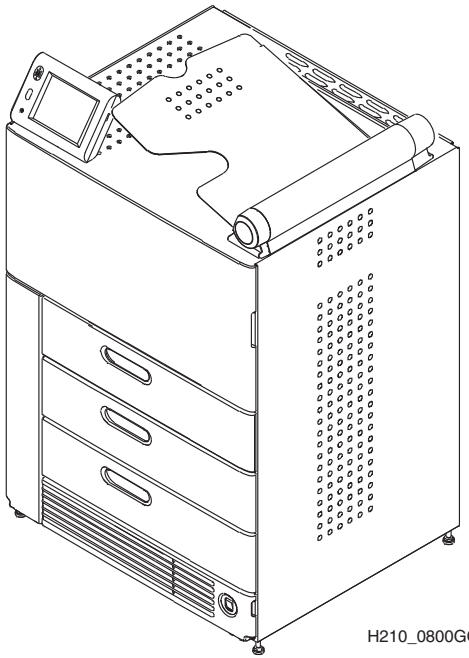
Information

PREVENTIVE MAINTENANCE for the *Kodak DryView* 6800 LASER IMAGER Service Code: 1649

Important

Qualified service personnel must repair this equipment.



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PLEASE NOTE

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This equipment includes parts and assemblies sensitive to damage from electrostatic discharge. Use caution to prevent damage during all service procedures.

Table of Contents

Necessary Materials

The materials necessary for performing Preventive Maintenance are:

- Tools (see Table 1, **Required Tools**)
- PM Materials Kit, 2G0295 - required for every PM (see Table 2, **PM Materials - Required for every PM**)
- PM Spare Parts Kit, 2G0296 - required for every PM (see Table 3, **PM Spare Parts Kit, 2G0296 - Required for every PM**)
- PM Replacement Parts Kit, 2G0297 - required for PMs at 60,000 cycle intervals (see Table 4, **PM Replacement Parts Kit, 2G0297 - Required for PMs at 60,000 Cycles**)

  NOTE: The parts in the Spare Parts Kit do not have to be replaced. They are included in the event that a part is lost or damaged during the PM.

- Publications (see Table 5, **Publications**)

Table 1 Required Tools

Tool No.	Description
---	LAPTOP COMPUTER with *Microsoft Windows* 98 OPERATING SYSTEM or higher and *Microsoft* INTERNET EXPLORER 5.5
---	SERVICE TOOL for the 6800 LASER IMAGER
TL5568	CROSSOVER CABLE
TL5574	TEMPERATURE METER and PROBE - drum
SP7F3477	BLOCK for PROBE, KIT
TL6500	TEMPERATURE METER KIT- flatbed
TL4071	VACUUM CLEANER
---	FLASHLIGHT
---	SCRAPER
---	GLOVES - heat-resistant
---	Standard tool kit

Table 2 PM Materials - Required for every PM

Part No.	Description	Notes
1C8287	ALCOHOL WIPES	*Texwipe* TX1065 - 50 each; this item should be carried in your custody.
2G0295	KIT, PREVENTIVE MAINTENANCE - includes: • SP78801828027 - CLEANING PADS, 4 x 4 in. • SP8F3958 - KIT, PREVENTIVE MAINTENANCE MODULE (PMM), 2 • SP78999828680 - BAG with TIE WRAP	100 each Install 1 every PM and leave the other one with the customer. Use as needed.

Table 3 PM Spare Parts Kit, 2G0296 - Required for every PM

Part No.	Description	Notes
SP8F1330	BEARING SLEEVE (4)	The parts in this kit do not have to be replaced. They are included in case a part is lost or damaged during the PM.
SP5F7912	BEARING - ball (2)	
SP8F2177	GASKET - duct (1)	
SP8F0091	BELT - drive, thermal processor (1)	
SP8F2850	BELT - drive, cooling (1)	
SP5F8095 SP5F8096 SP5F8099 SP5F8100	SCREWS (5 each)	

Table 4 PM Replacement Parts Kit, 2G0297 - Required for PMs at 60,000 Cycles

Part No.	Description	Notes
SP8F2325	EXHAUST DUCT AY	Install 1 every 60,000 cycles.
SP8F2492	ROLLER - cooling	Install 1 every 60,000 cycles.

Table 5 Publications

Publication No.	Publication
8F2916	ADJUSTMENTS AND REPLACEMENTS for the *Kodak DryView* 6800 LASER IMAGER

Maintenance Plan

Important

A Preventive Maintenance (PM) call must be made every 30,000 film cycles.

- 30,000 cycle procedures are completed every PM call.
- 60,000 cycle procedures are completed every other PM call.

Table 6 Preventive Maintenance

Procedure	30,000 Cycles	60,000 Cycles
Preparing for Preventive Maintenance (PM)	X	X
Installing a New PREVENTIVE MAINTENANCE MODULE (PMM)	X	X
Cleaning the FLATBED	X	X
Cleaning the DRUM, DRUM COVER, and PRESSURE ROLLER AY	X	X
Cleaning the COOLING Section	X	X
Installing a New COOLING ROLLER and EXHAUST DUCT		X
Checking the Operation	X	X
Resetting the PM Counts and Changing the Service History	X	X
Completing the PM	X	X

Preparing for Preventive Maintenance (PM)

1 Obtain the service passcode for the IMAGER from the customer.

2 Make a “Flat-field” or “Grayout” test print. On the LOCAL PANEL:

- **a** Touch:
  - DRAWER icon
  - [Test Patterns]
- **b** Select “TG18-UN10”.
- **c** Touch:
  - [Print]
  - [OK]

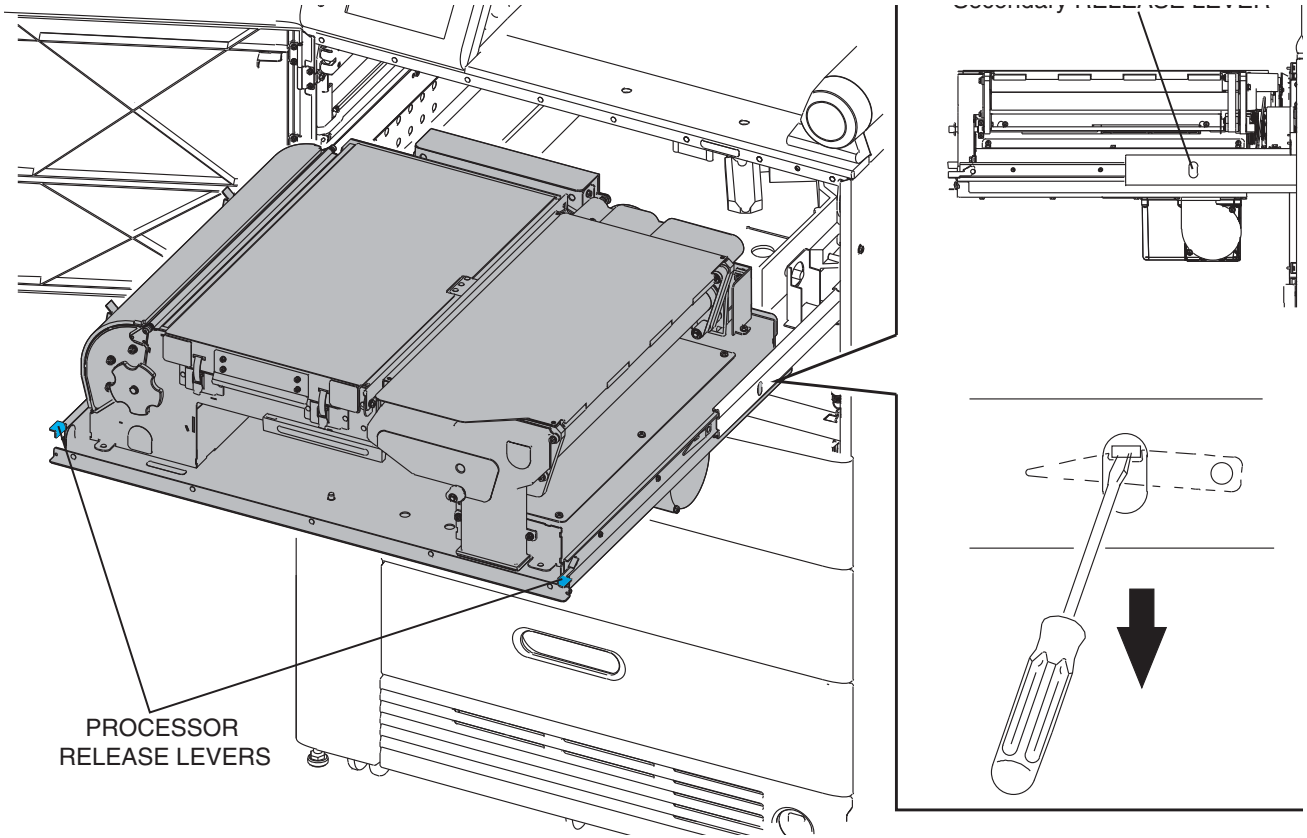
3 Keep the print to compare with a test print that will be run after the PM.

4 On the LOCAL PANEL:

- **a.** Touch the “Unlock” icon.
- **b.** Select “Unlock Processor”.
- **c.** Touch [OK].

5 Remove the MAIN DOOR.

- **a.** Open the DOOR.
- **b.** Lift the DOOR off the HINGES.



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6 Press down on the left and up on the right PROCESSOR RELEASE LEVER.

7 Pull the PROCESSOR forward until it stops.

Important

For **Step 8** and **Step 9**, use a small flat-bladed SCREWDRIVER to engage the LEVERS.

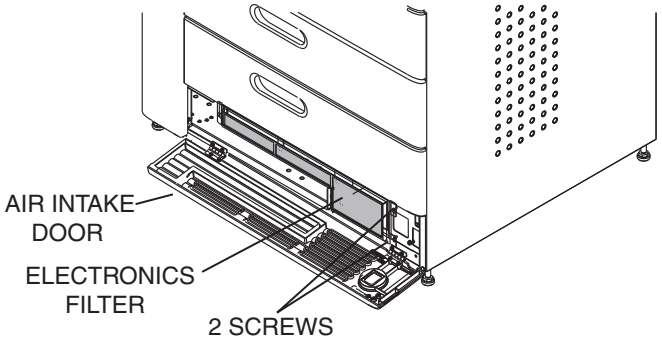
8 Press down on the right side secondary RELEASE LEVER and pull the PROCESSOR about 2.5 cm (1 in.) forward.

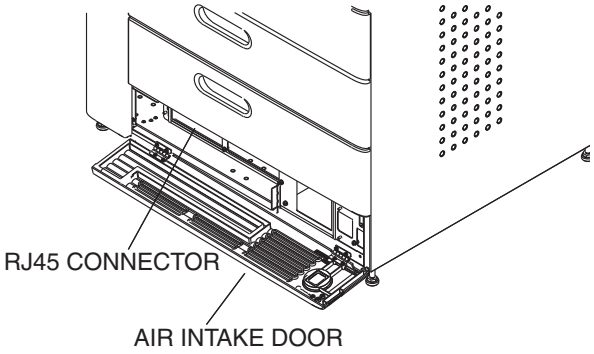
9 Press up on the left-side secondary RELEASE LEVER and pull the PROCESSOR forward to service position.

10 Release the 2 LATCHES and raise the FLATBED COVER.

Note

The DRUM and FLATBED must cool for a minimum of 30 minutes before cleaning.





Caution

Dangerous Voltage

11 Connect the LAPTOP COMPUTER to the IMAGER.

- **a** Open the AIR INTAKE DOOR.
- **b** Remove:
  - 2 SCREWS
  - ELECTRONICS FILTER
- **c** Connect the LAPTOP COMPUTER to the RJ45 CONNECTOR on the DRE with a CROSSOVER CABLE, TL5568.

12 Energize the LAPTOP COMPUTER.

13 Log on to the SERVICE TOOL.

- **a** Select **Start>Programs>Kodak>SecureLink**.
- **b** Type your password.
- **c** Click [OK].

d Type the IP address of the SERVICE PORT: **192.168.000.1**

e Click [Connect].

f Select **Start>Programs>Kodak>Service WebLink**.

The main menu of the SERVICE TOOL displays.

14 Select **System Information>Service History**.

15 Check the Service History log to determine if this PM is at the 30,000 or 60,000 film cycles interval, and follow the **Maintenance Plan** as outlined in Table 6, **Preventive Maintenance**.

16 Log off from the SERVICE TOOL.

a In the upper-right corner of the SERVICE TOOL, click [Log Off].

b At the “Kodak Service WebLink” screen, click [Log Off].

c Close the “WebLink” Client Software.

d At the “Kodak Secure Link 2.1” screen:

- click [Disconnect]
- close the screen

17 Disconnect the LAPTOP COMPUTER from the IMAGER.

18 Press the POWER BUTTON on the LOCAL PANEL.

Wait for the “Start Power Save” screen to appear.

19 On the LOCAL PANEL, touch:

- [Power OFF]
- [OK]

20 Disconnect the POWER CORD.

21 Remove the PREVENTIVE MAINTENANCE MODULE (PMM).

22 Check the inside of the PMM compartment for “snow”. If necessary, vacuum the compartment.

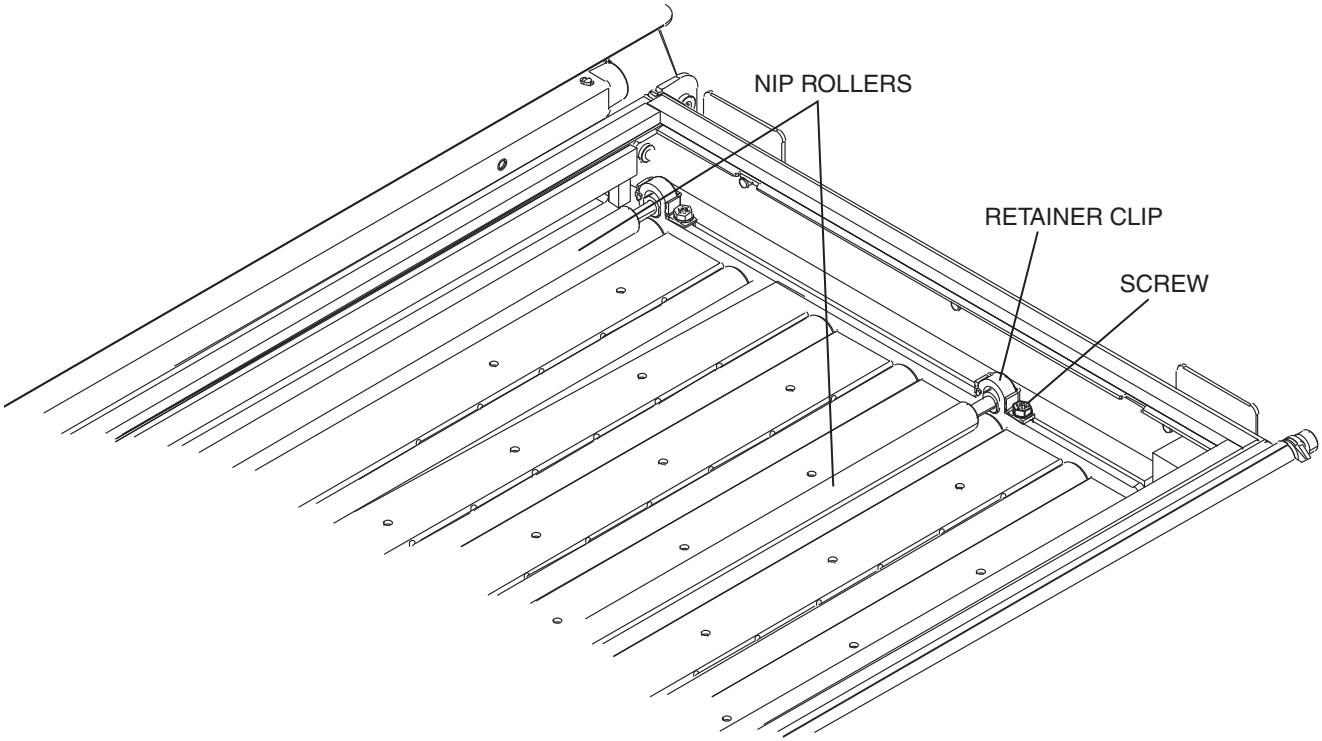
23 Vacuum both sides of the ELECTRONICS FILTER.

Cleaning the FLATBED

Important

- This procedure should be done while the FLATBED ROLLERS are still warm to the touch.
- Place used ALCOHOL WIPES in a BAG, SP78999828680.

1 Check the underside of the COVER and clean with an ALCOHOL WIPE if necessary.



Caution

Hot surface. Use the heat-resistant GLOVE to handle the ROLLERS.

2 Remove the NIP ROLLER:

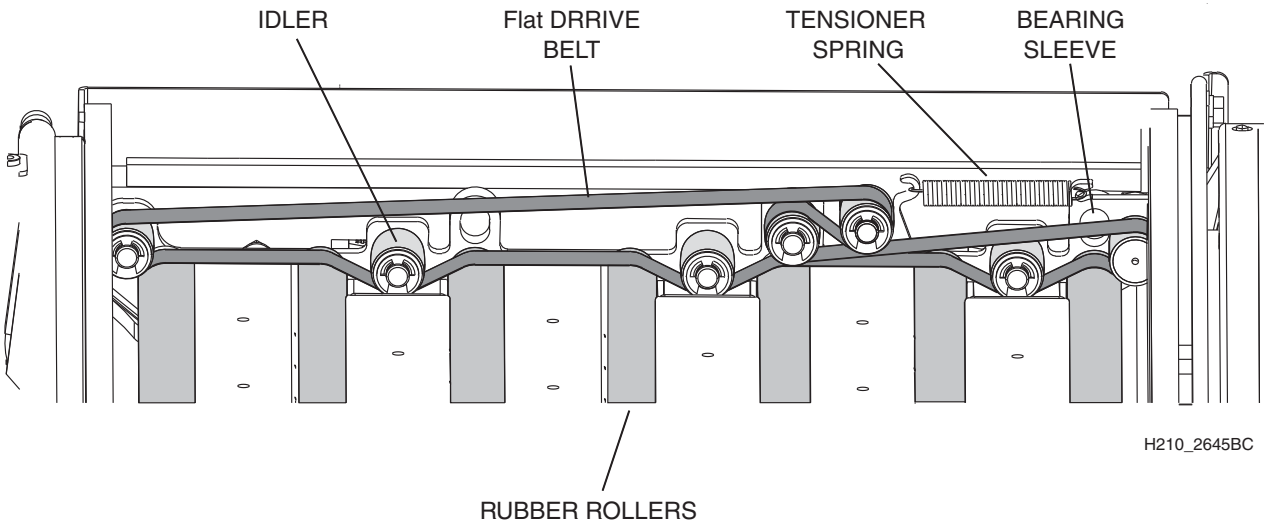
Important

When removing the ROLLER, keep the BEARING SLEEVES on both ends.

- **a** Remove the SCREW and RETAINER CLIP.
- **b** Pull the ROLLER forward to disengage the back end.
- **c** Move the back end to one side.
- **d** Disengage the ROLLER from the front and lift it out.

3 Clean the NIP ROLLER with an ALCOHOL WIPE.

4 Repeat **Step 2** and **Step 3** for the other NIP ROLLER.



5 Disengage the TENSIONER SPRING.

6 Remove the flat DRIVE BELT.

7 Check the BELT for damage.

8 Does the BELT have damage?

Yes	No
• Obtain a new DRIVE BELT, SP8F0091. • Advance to **Step 10**.	Continue with **Step 9**.

9 Clean the BELT with an ALCOHOL WIPE.

Important

When cleaning the RUBBER ROLLERS, also clean the 2 ROLLERS that are under the 2 NIP ROLLERS.

10 Clean the RUBBER ROLLERS and IDLERS with an ALCOHOL WIPE.

11 Install:

- DRIVE BELT (see BELT PATH LABEL)
- TENSIONER SPRING

Important

When installing the NIP ROLLERS, make sure that the BEARING SLEEVES are in place on both ends.

12 Install the NIP ROLLERS:

a Position the back end of the ROLLER under the flat DRIVE BELT and to one side.

Note

The back end has the longer shaft.

b Insert the front end of the ROLLER into place.

c Insert the back end of the ROLLER.

d Install the RETAINER CLIP and SCREW.

13 Turn the blue KNOB on the front of the COOLING AY several times to allow the BELT to center itself.

14 Lower the FLATBED COVER.

Note

Do not engage the LATCHES at this time.

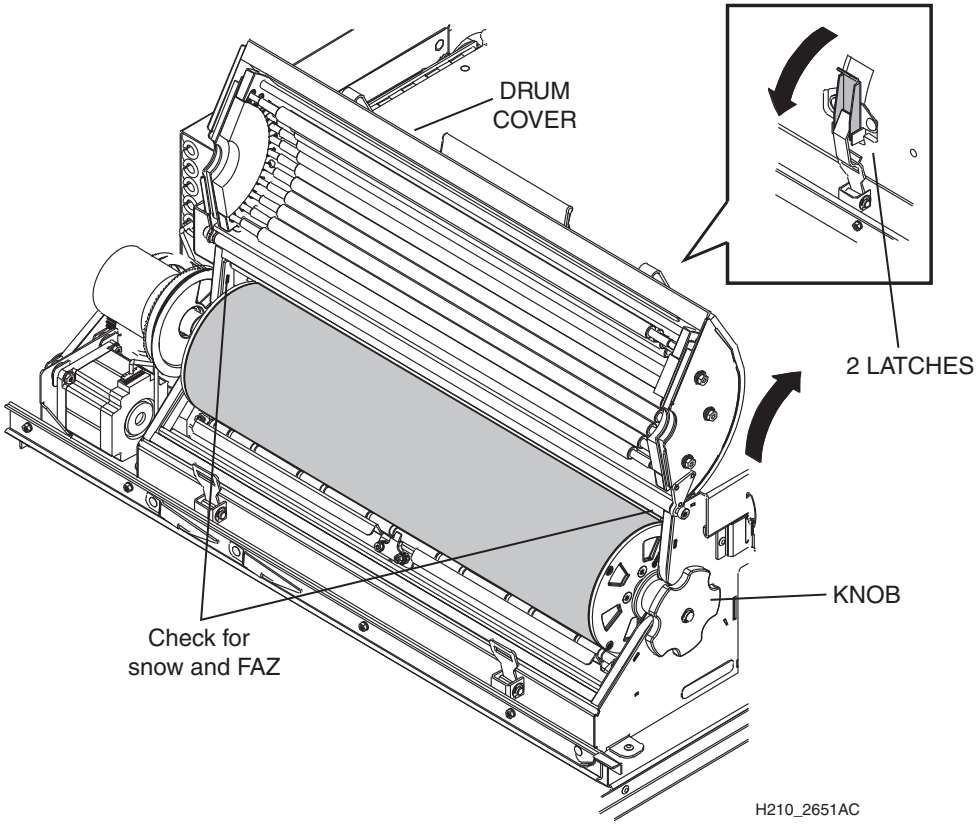
15 Do **Cleaning the DRUM, DRUM COVER, and PRESSURE ROLLER AY**.

Cleaning the DRUM, DRUM COVER, and PRESSURE ROLLER AY

Important

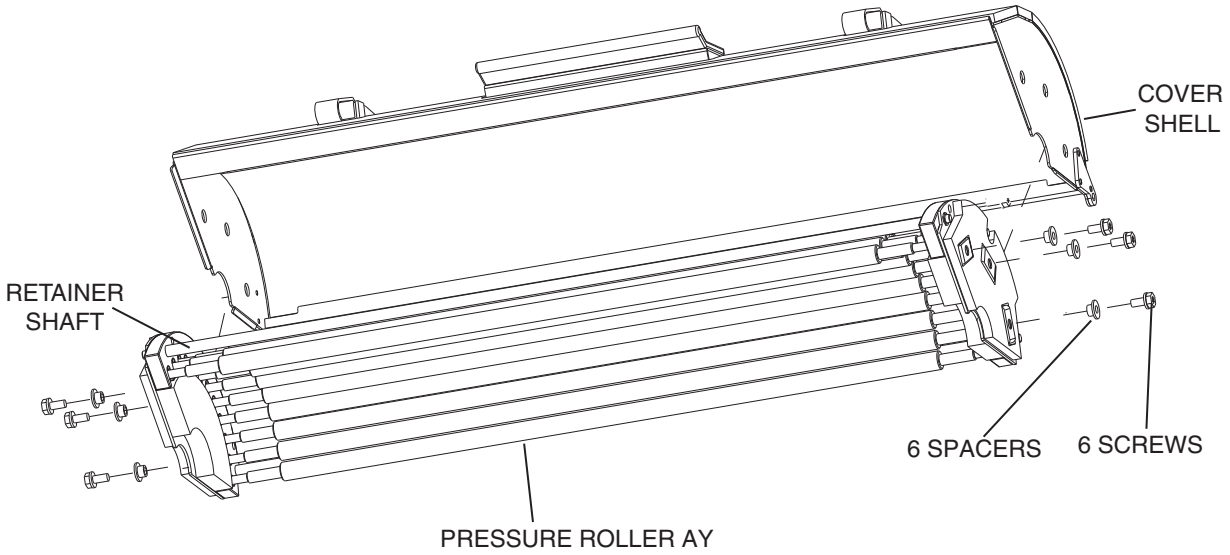
- This procedure should be done while the DRUM is still warm to the touch.
- Place used ALCOHOL WIPES in a BAG SP78999828680.

1 Release the 2 LATCHES and raise the DRUM COVER.



2 Check the DRUM area for “snow” and FAZ.

3 Vacuum “snow”, FAZ, and any loose debris.



Caution

Hot surface. Use the heat-resistant GLOVE to handle the ROLLERS.

4 Remove:

- 6 SCREWS
- 6 SPACERS
- PRESSURE ROLLER AY

5 Use ALCOHOL WIPES to clean the ROLLERS and RETAINER SHAFTS.

Note

- Rotate the ROLLERS and RETAINER SHAFTS to clean all sides.
- It may be necessary to use a SCRAPER on the RETAINER SHAFTS. **Do not** use a SCRAPER on the ROLLERS.

6 Use ALCOHOL WIPES to clean the inside of the COVER SHELL.

Important

When installing the PRESSURE ROLLER AY, make sure that the ROLLER with the SPRINGS on the ends is located at the top of the COVER SHELL.

7 Install:

- PRESSURE ROLLER AY
- 6 SPACERS
- 6 SCREWS

8 Use the KNOB to rotate the DRUM and check for damage.

9 Does the DRUM have damage?

Yes	No
a. Install a new DRUM (see ADJUSTMENTS AND REPLACEMENTS, **DRUM AY - THERMAL PROCESSOR AY**). **b.** Advance to **Step 11**.	Continue with **Step 10**.

10 Rotate the DRUM using the KNOB and clean the surface with ALCOHOL WIPES.

11 Lower the DRUM COVER.

12 Engage the 2 LATCHES.

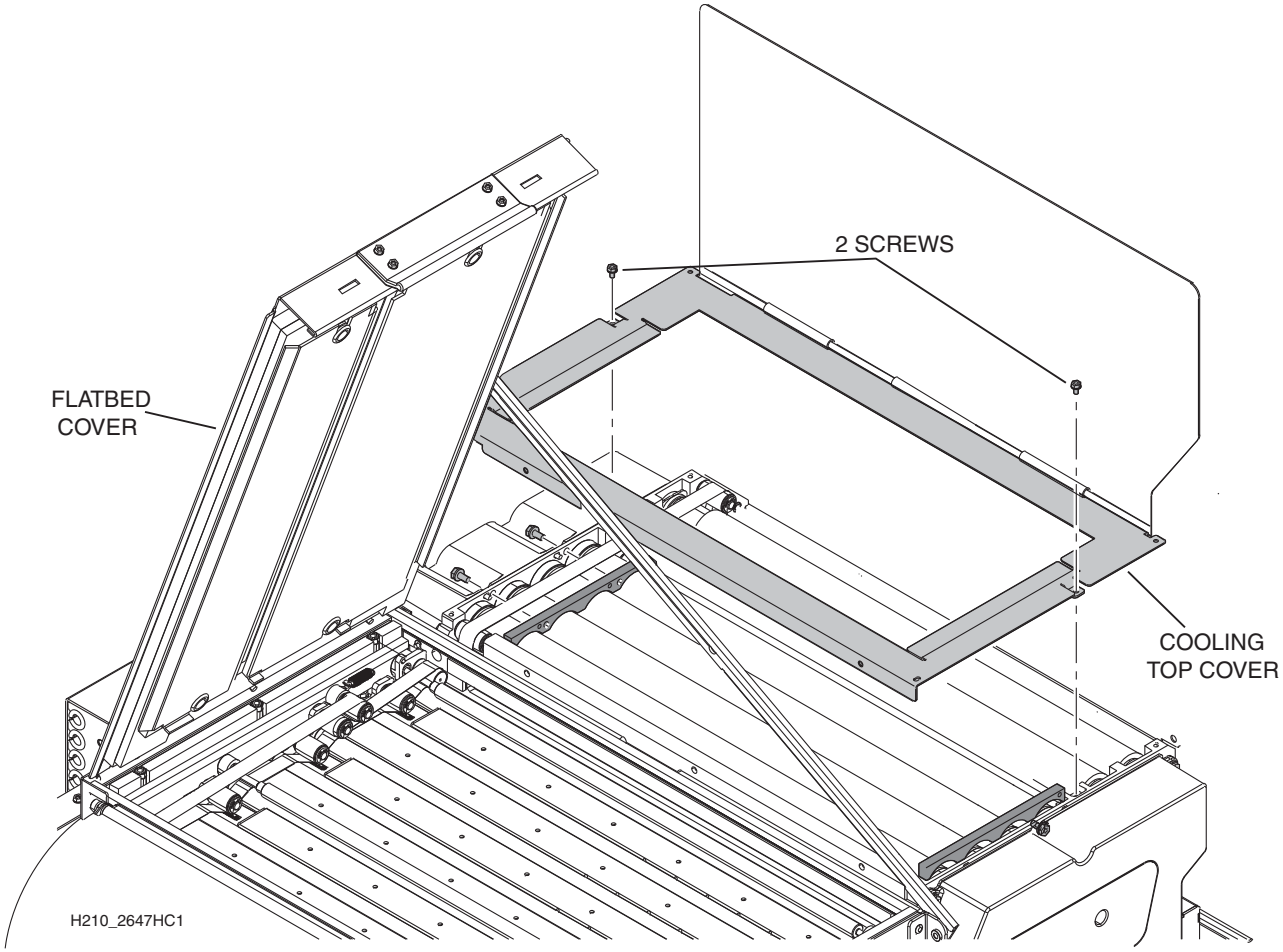
13 Do **Cleaning the COOLING Section**.

Cleaning the COOLING Section

Important

Place used ALCOHOL WIPES in a BAG, SP78999828680.

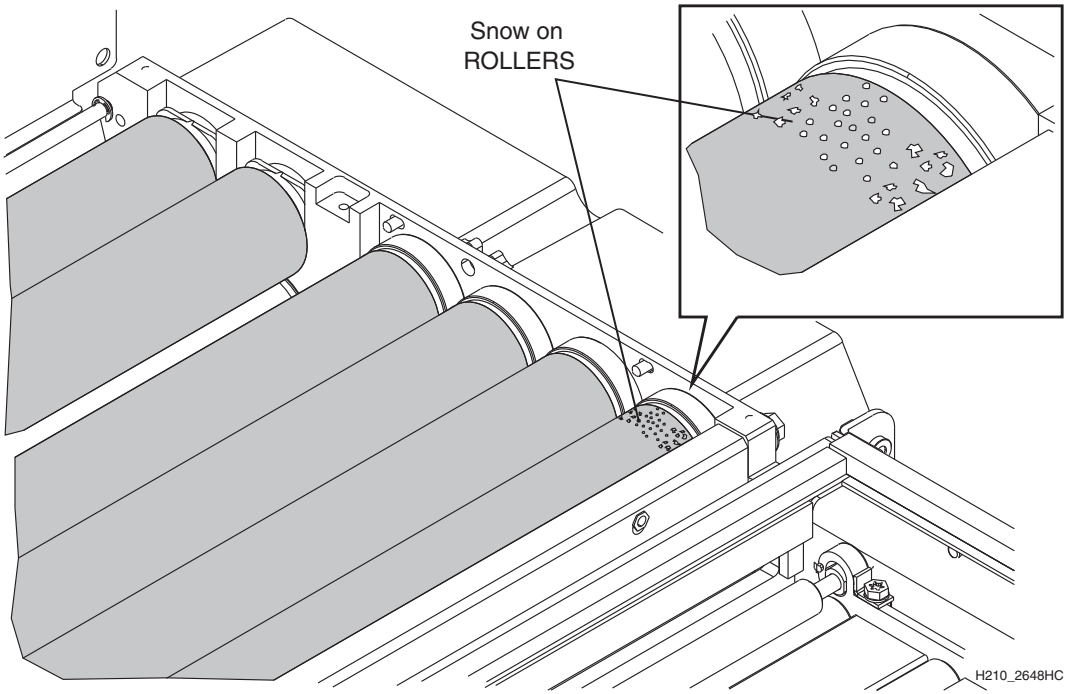
1. Raise the FLATBED COVER.
2. Open the COOLING AY TOP COVER.



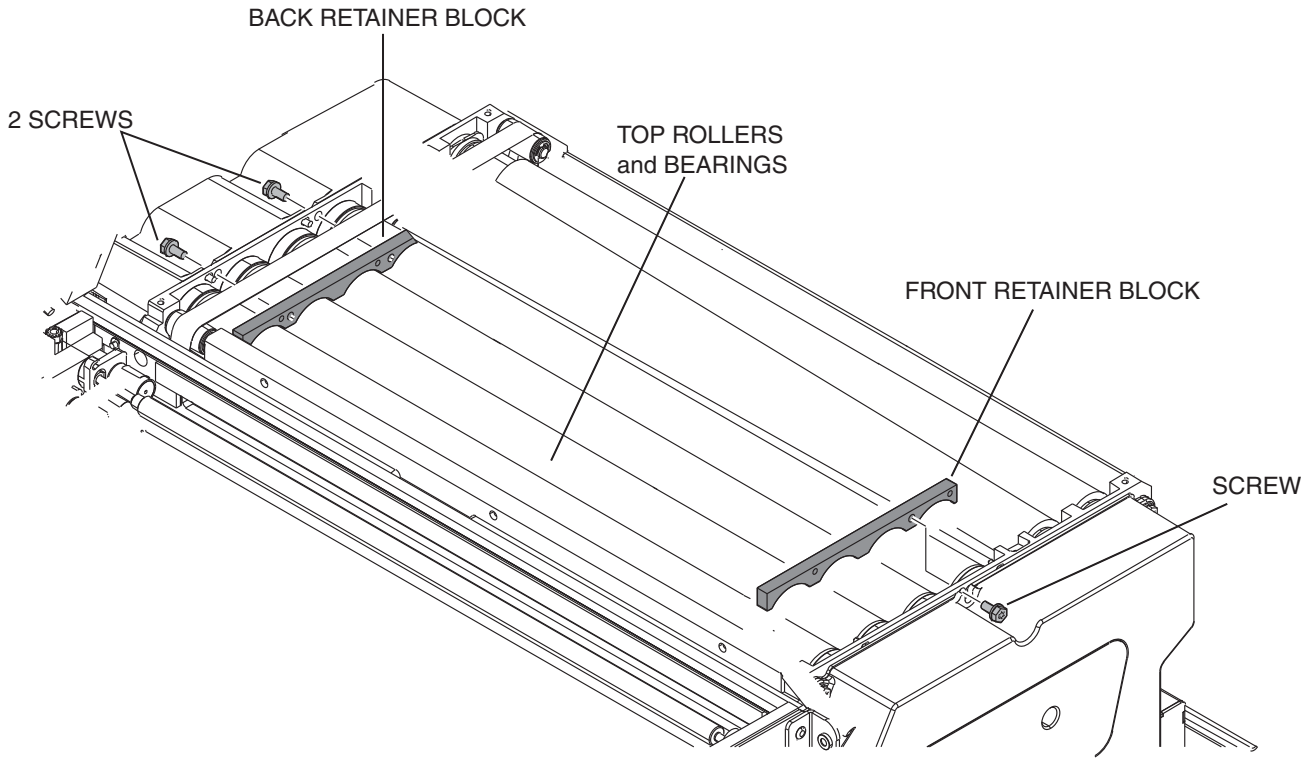
3 Remove:

- 2 SCREWS
- TOP COVER

4 Clean the underside of the COVER with ALCOHOL WIPES.



5 Inspect for “snow” on the top ROLLERS. Vacuum if necessary.



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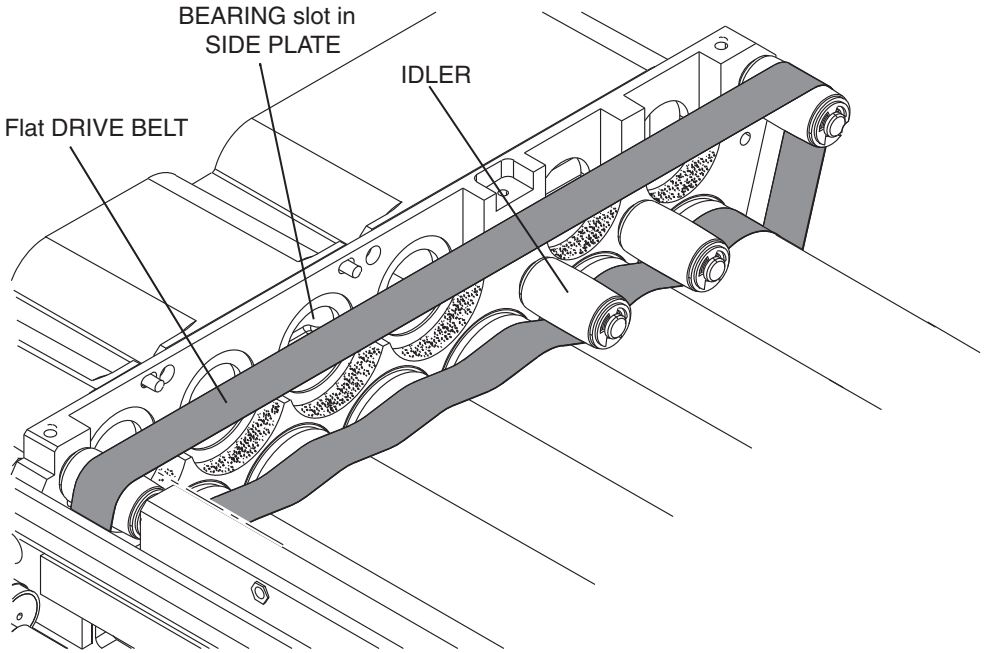
6 Remove:

- 2 SCREWS
- BACK RETAINER BLOCK
- 1 SCREW
- FRONT RETAINER BLOCK
- top ROLLERS and BEARINGS

7 Check for “snow” on the bottom ROLLERS. Vacuum if necessary.



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8 Check the flat DRIVE BELT for damage.

9 Does the BELT have damage?

Yes	No
a. Install a new DRIVE BELT, SP8F2850 (see BELT PATH LABEL). **b.** Advance to **Step 11**.	Continue with **Step 10**.

10 Clean the DRIVE BELT:

a Hold the BELT with an ALCOHOL WIPE.

b Use the PULLEY to advance the BELT.

11 Use an ALCOHOL WIPE to clean:

- IDLERS
- BEARING slots in the SIDE PLATE

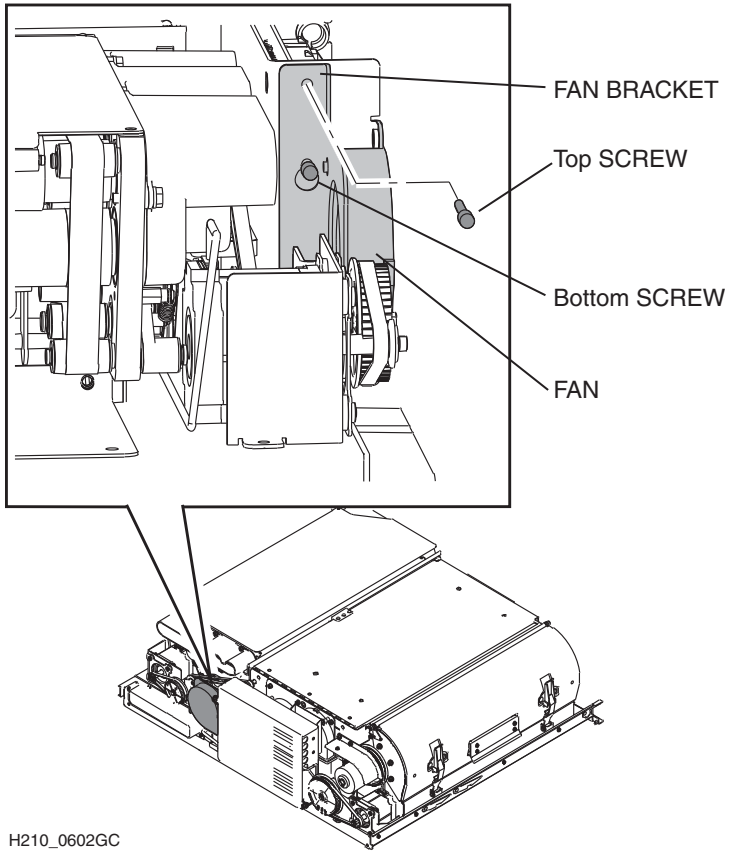
Important

When installing the silver ROLLERS, place the recessed end toward the back.

12 Install:

- top ROLLERS and BEARINGS
- BACK RETAINER BLOCK
- 2 SCREWS
- FRONT RETAINER BLOCK
- 1 SCREW
- COOLING COVER
- 2 SCREWS

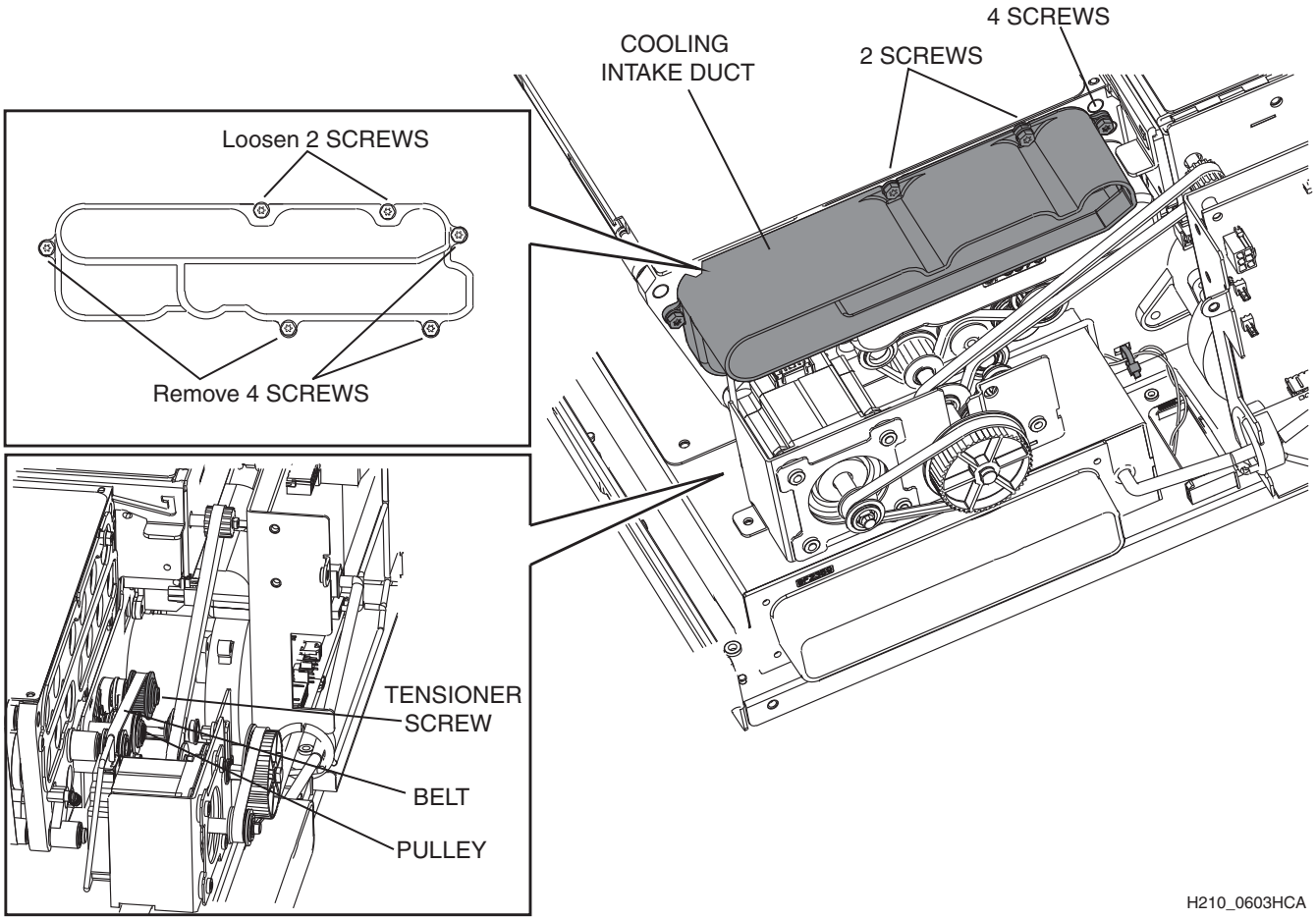
13 Tilt the COOLING AY out of the way.



a From the back of the COOLING AY, remove the top FAN BRACKET SCREW.

b Loosen the bottom FAN BRACKET SCREW.

c Lift off the BRACKET and FAN, and set on top of the IMAGING AY.



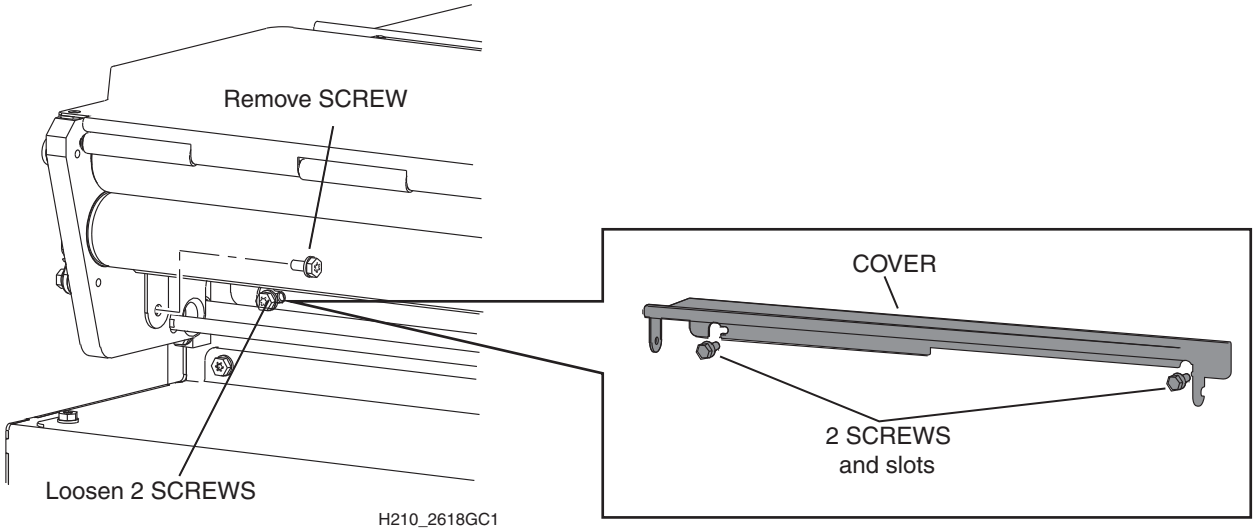
d Loosen the 2 SCREWS.

e Remove:

- 4 SCREWS
- COOLING INTAKE DUCT

f Loosen the TENSIONER SCREW.

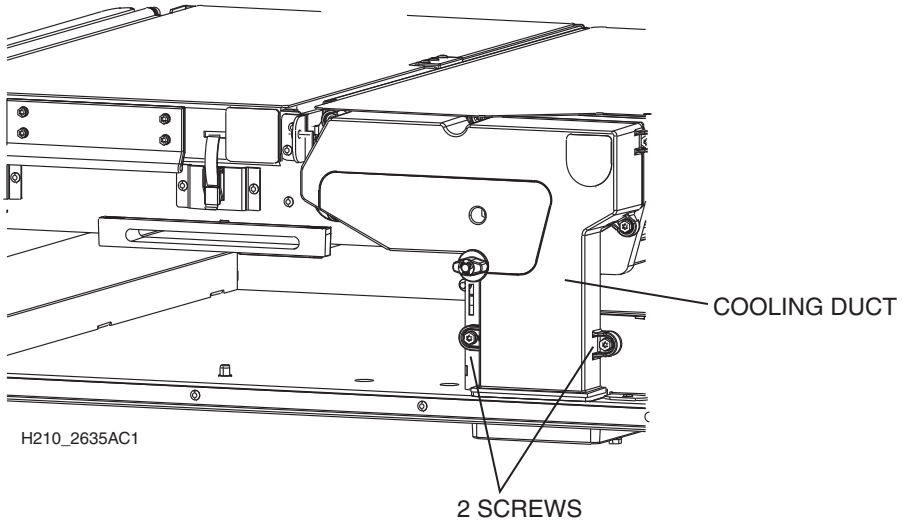
g Disengage the BELT from the PULLEY.



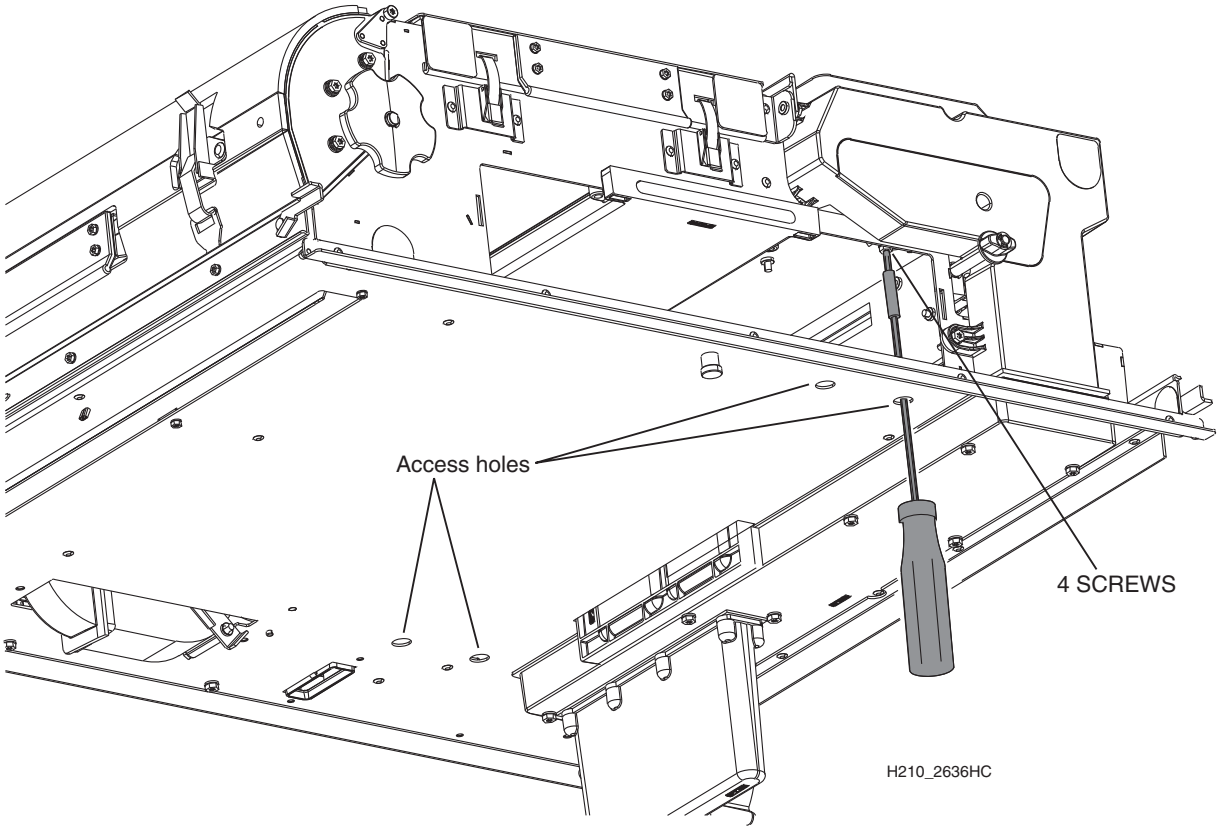
h Remove the SCREW.

i Loosen the 2 SCREWS.

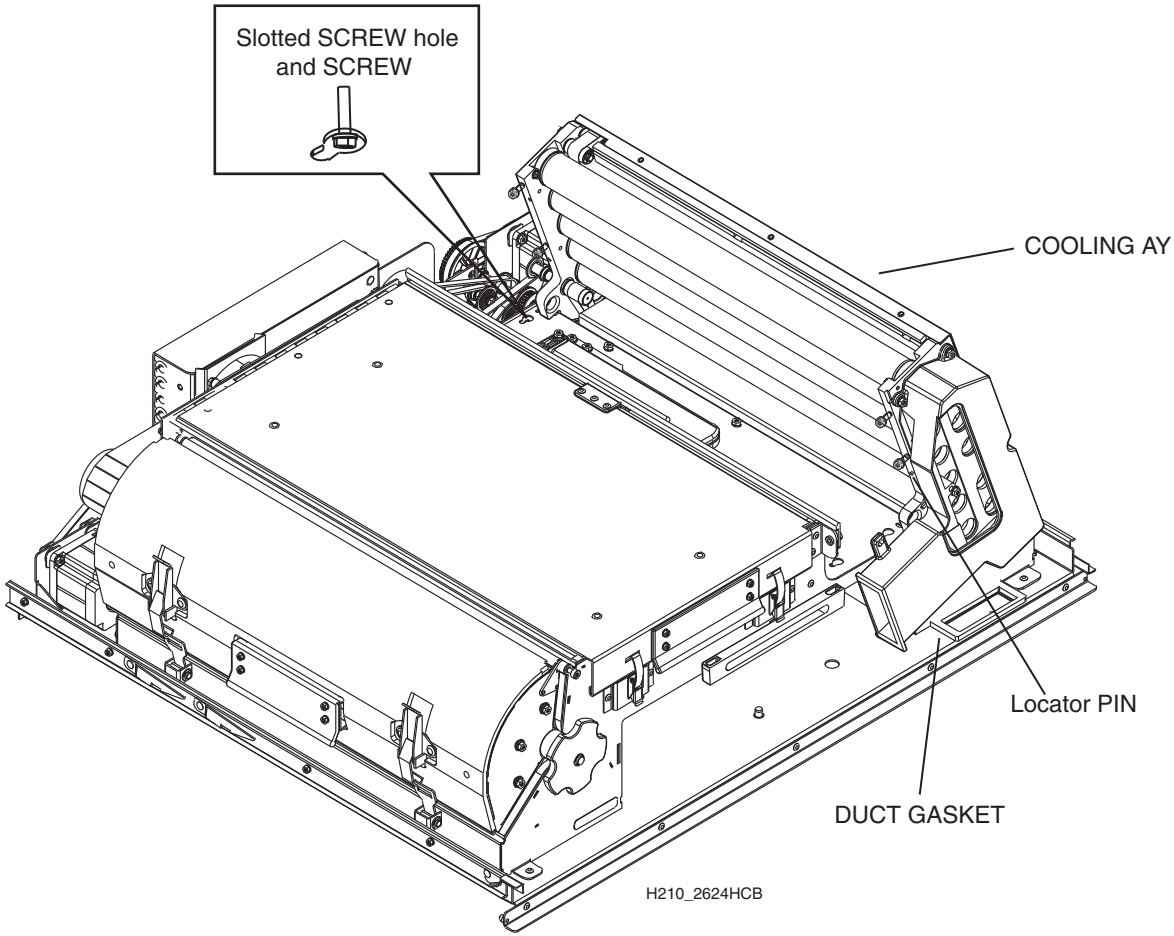
j Slide the COVER to the right and remove it.



k From the front of the COOLING AY, remove the bottom 2 SCREWS from the COOLING DUCT.



l From inside the PMM compartment and through the 4 access holes, loosen the 4 SCREWS (2 in front and 2 in back) 4 or 5 turns.



Important

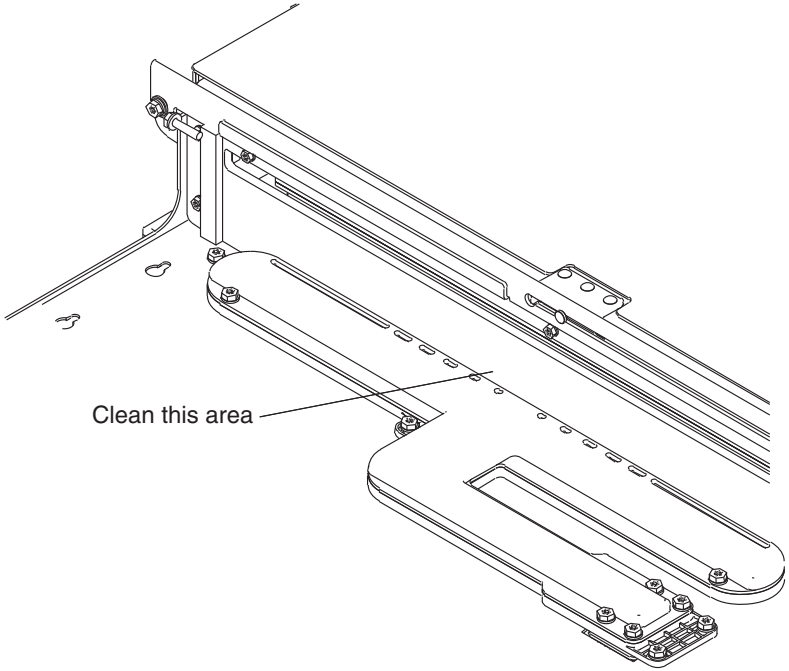
When moving the COOLING AY, do not damage the DUCT GASKET.

m From the right side of the PROCESSOR, lift the COOLING AY to disengage it from the locator PINS, then pull the COOLING AY towards you to disengage the 4 bottom SCREWS from the slotted SCREW holes.

n Lift the COOLING AY on the side.

14 Is this PM for a 30,000 or 60,000 cycle interval?

30,000	60,000
Continue with **Step 15**.	Advance to **Installing a New COOLING ROLLER and EXHAUST DUCT**.



15 Clean all around the EXHAUST DUCT with an ALCOHOL WIPE.

16 Secure the COOLING AY (reverse the procedure in **Step 13**).

17 Lower the FLATBED COVER.

18 Engage the 2 LATCHES.

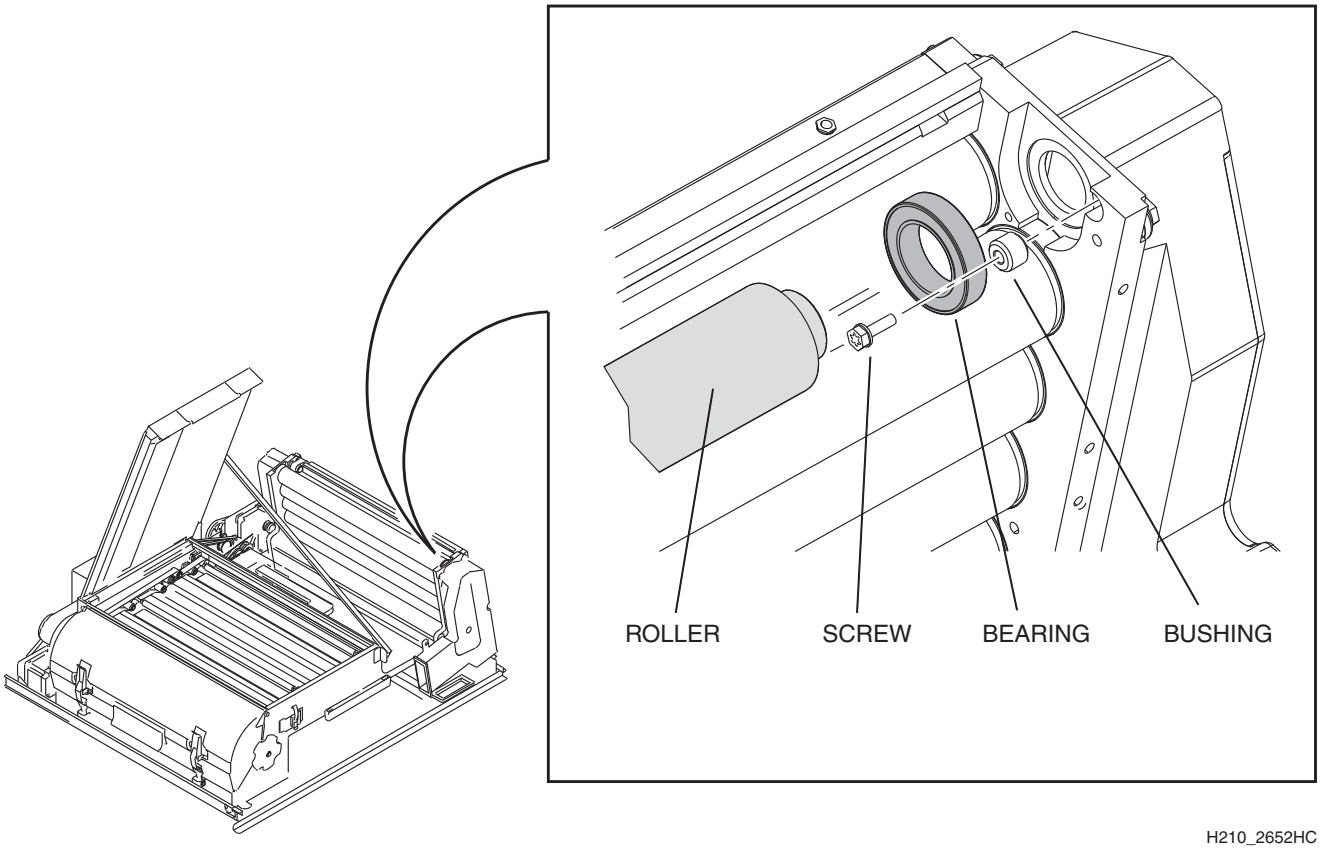
19 Install a new PMM.

20 Push the PROCESSOR back into the IMAGER.

21 Close the MAIN DOOR.

22 Do **Checking the Operation**.

Installing a New COOLING ROLLER and EXHAUST DUCT



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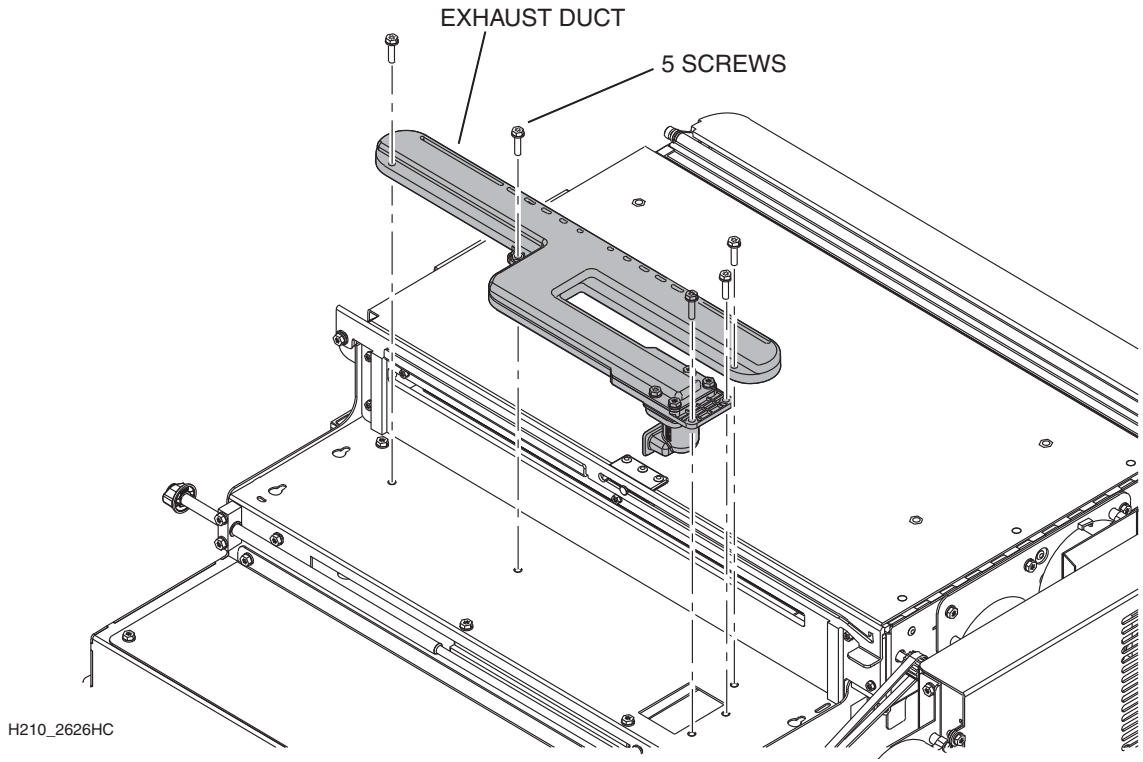
1 From the front of the ROLLER, remove:
   - SCREW
   - BUSHING
2 Lift the ROLLER and 2 BEARINGS out.
3 Clean the BEARING slots in the SIDE FRAME with an ALCOHOL WIPE.

4 Install:

- 2 BEARINGS
- new ROLLER
- front BUSHING
- front SCREW



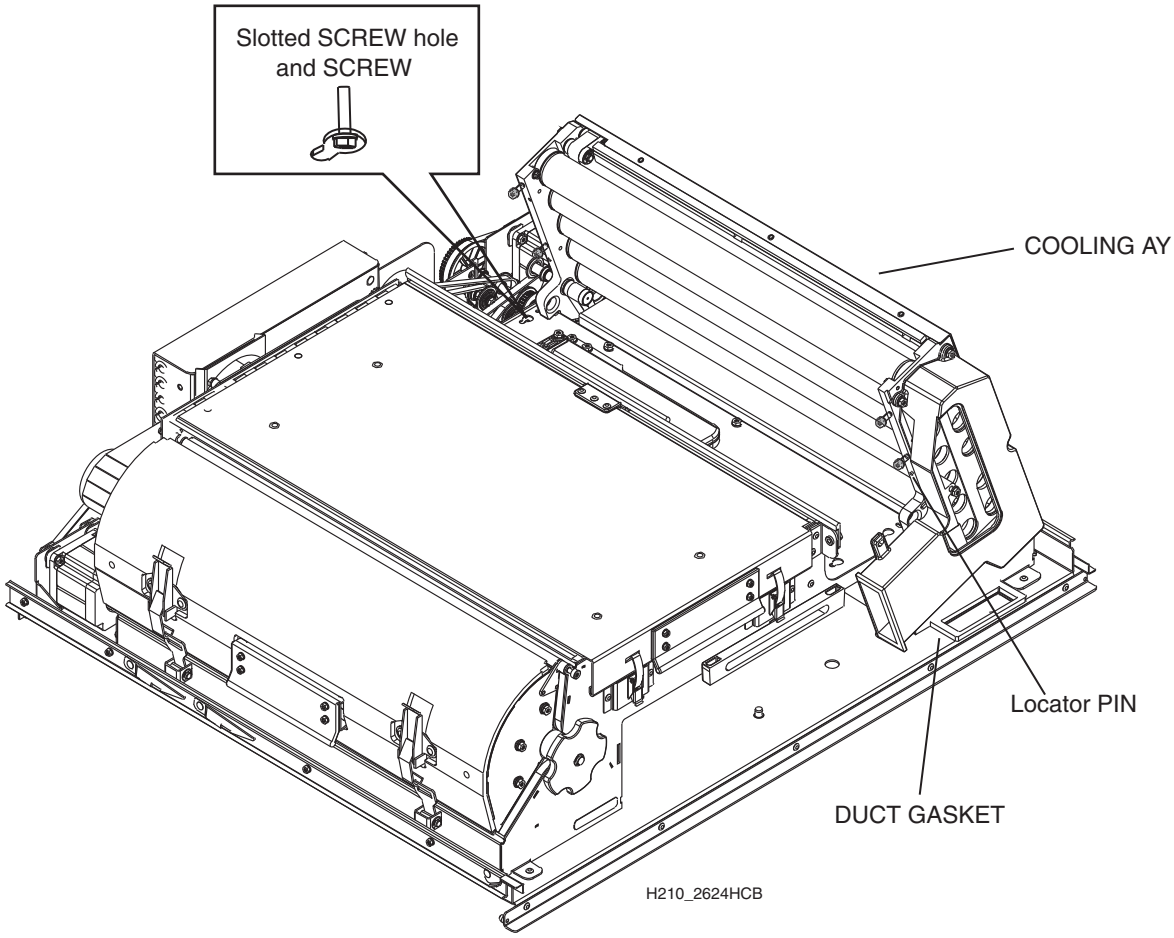
5 Remove:

- 5 SCREWS
- EXHAUST DUCT

6 Clean the surface below the EXHAUST DUCT with an ALCOHOL WIPE.

7 Install:

- EXHAUST DUCT
- 5 SCREWS



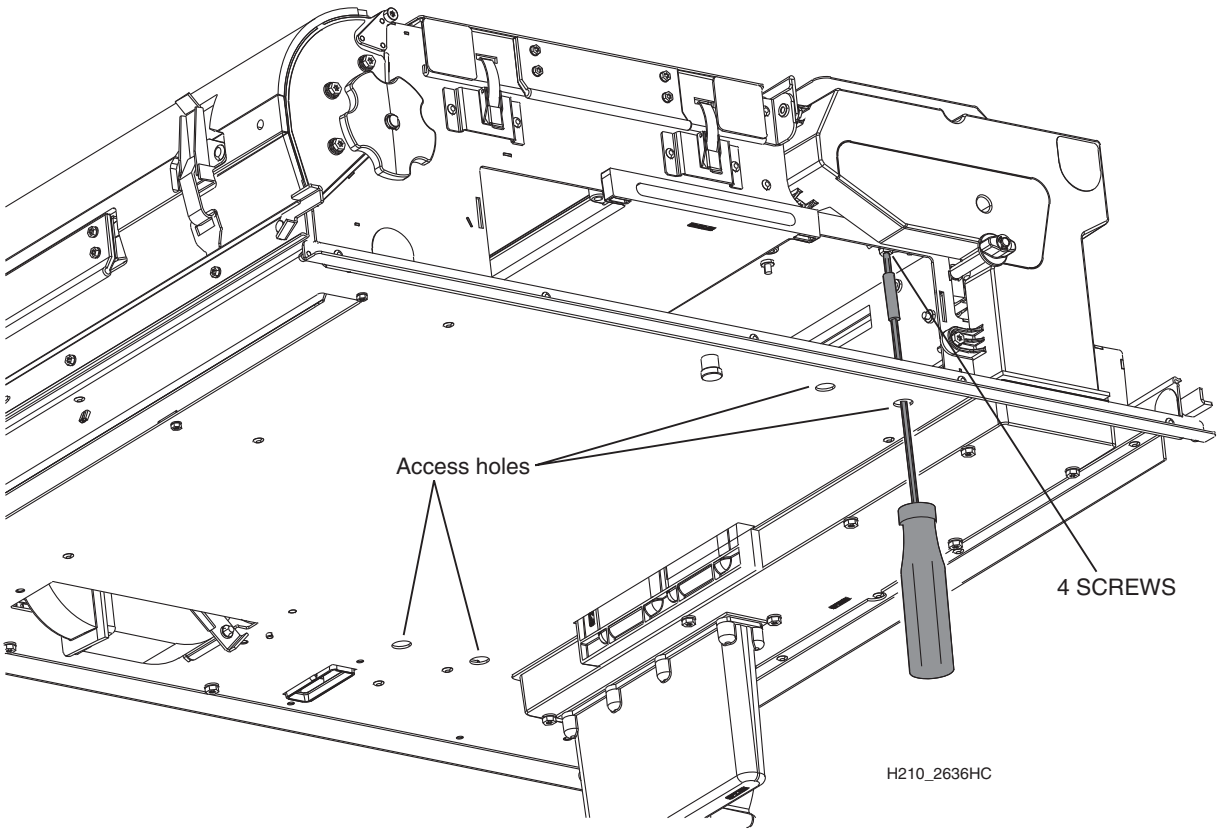
8 Secure the COOLING AY.

Important

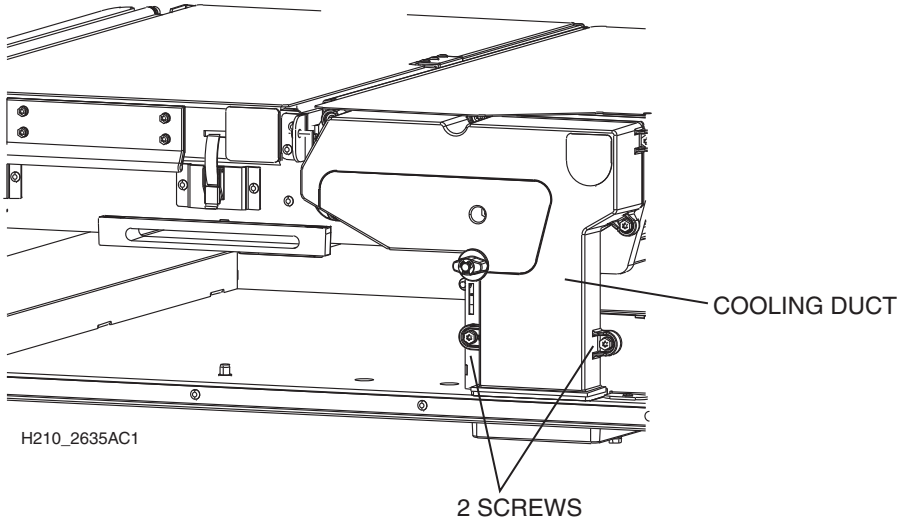
- Make sure the locator PINS and 4 SCREWS on the COOLING AY are located in the slots.

- Take care not to damage the DUCT GASKET.

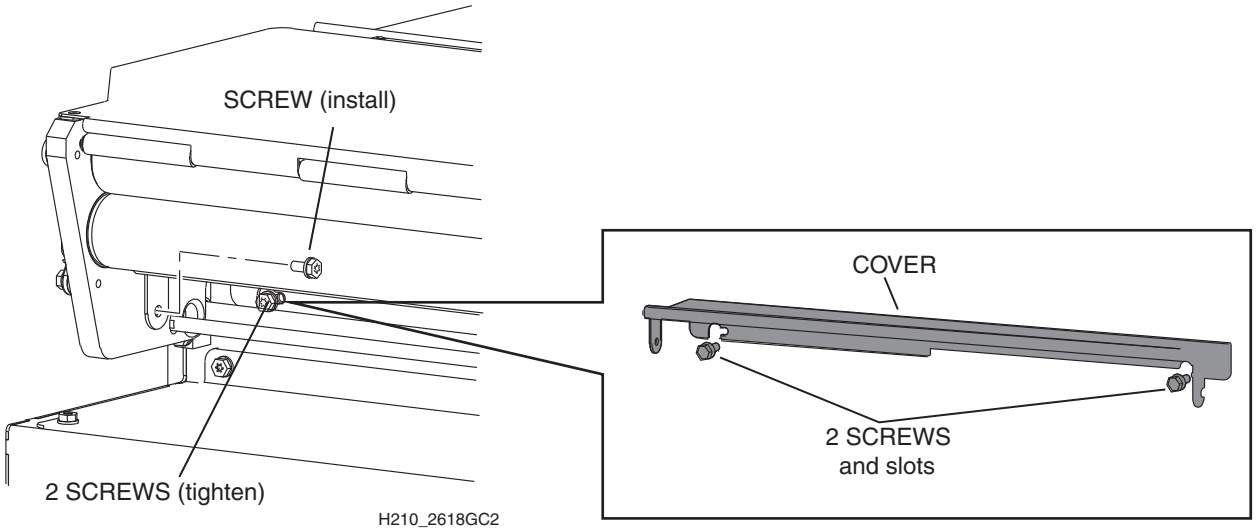
a Set the COOLING AY in place.



b From inside the PMM compartment, go through the 4 access holes and tighten the 4 SCREWS (2 in the front and 2 in the back).

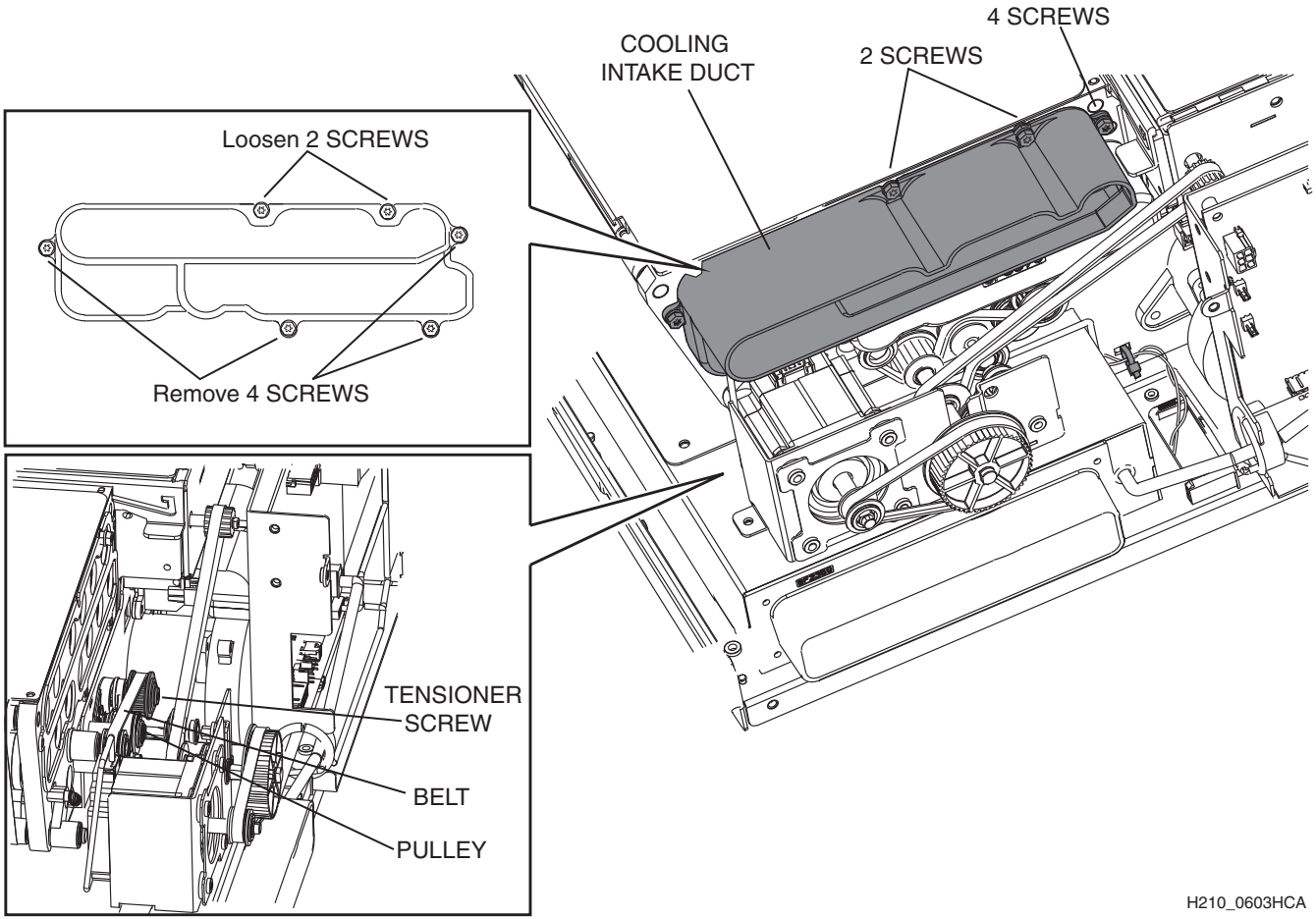


c Install 2 SCREWS in the COOLING DUCT.



d Install the COVER and slide it to the left.

e Install the SCREW.



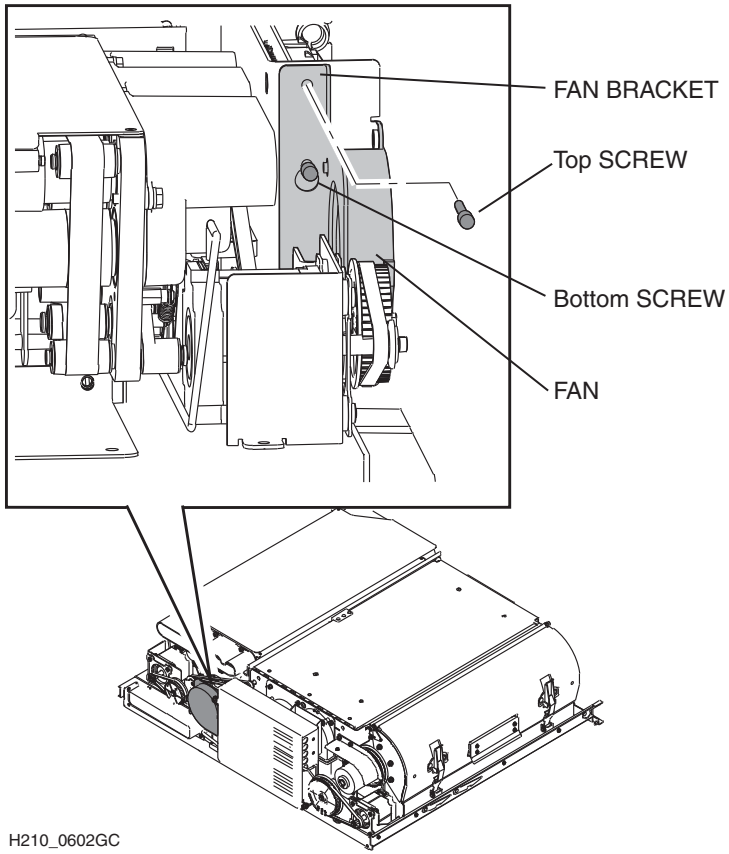
f Install the BELT on the PULLEY.

g Tighten the TENSIONER SCREW.

h Install:

- COOLING INTAKE DUCT
- 4 SCREWS

i Tighten the 2 SCREWS.



j Set the BRACKET and FAN into position.

k Install the top FAN BRACKET SCREW.

l Tighten the bottom SCREW.

9 Install a new PMM.

10 Push the PROCESSOR back into the IMAGER.

11 Close the MAIN DOOR.

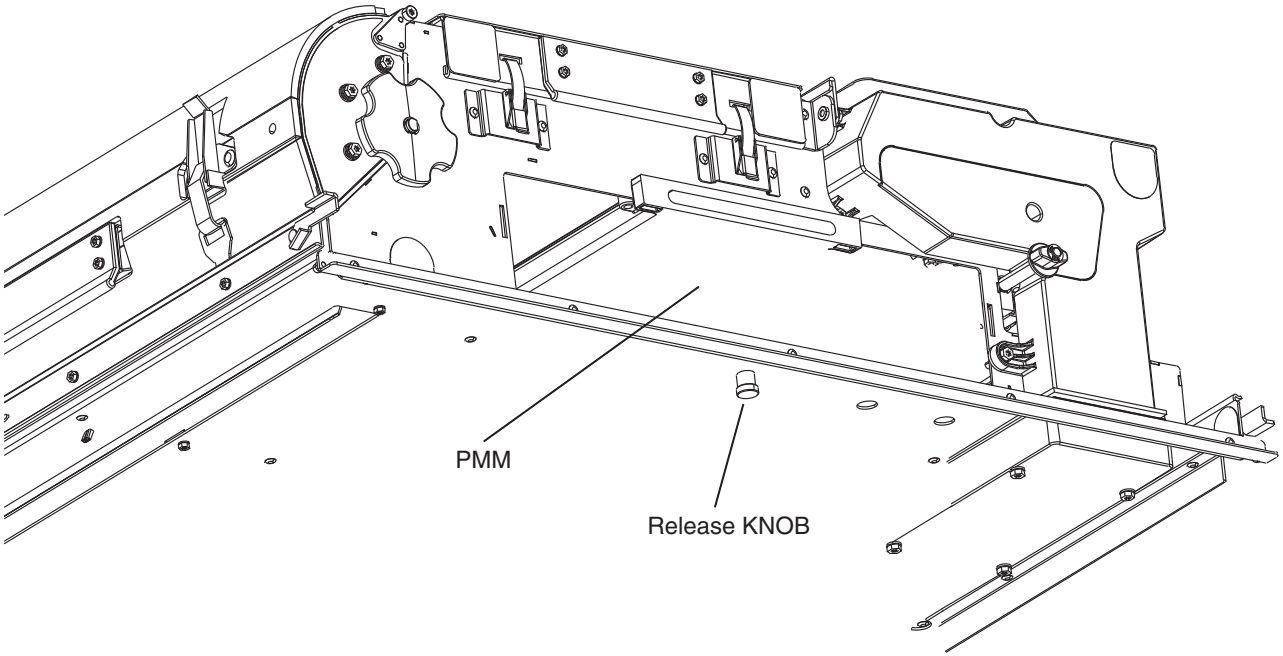
12 Do **Checking the Operation**.

Installing a New PREVENTIVE MAINTENANCE MODULE (PMM)

1 On the LOCAL PANEL, touch:

- “Unlock” icon
- [Unlock Film Supply]
- [OK]

2 Open the MAIN DOOR.



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3 Pull down on the release KNOB.

4 Remove the PMM.

5 Install the new PMM.

6 Close the MAIN DOOR.

7 On the LOCAL PANEL, touch:

- [Utilities]
- [Change filter]
- [Log Filter Change]
- [Yes]
- [OK]
- [Main]

Caution

- Spent activated CHARCOAL FILTERS are not considered a special or hazardous waste in most regions.
- Contact local waste management authorities to determine if additional disposal requirements apply.

8 Discard the old PMM.

Checking the Operation

1 Connect the POWER CORD.

2 Energize the IMAGER by pressing the POWER BUTTON on the LOCAL PANEL.

3 Allow the PROCESSOR to warm to “READY.”

4 Connect the LAPTOP COMPUTER to the IMAGER.

5 Log on to the SERVICE TOOL.

6 Use the SERVICE TOOL and the TEMPERATURE METER KIT to check the temperature of the DRUM and FLATBED. See ADJUSTMENTS AND REPLACEMENTS, 8F2916:

Section	Procedure
Adjustments	• **PROCESSOR - Temperature of DRUM** • **PROCESSOR - Temperature of FLATBED**

7 If necessary, adjust the temperature.

8 Make a “Flat-field” or “Grayout” test print.

9 Compare the test print with the test print made before the PM.

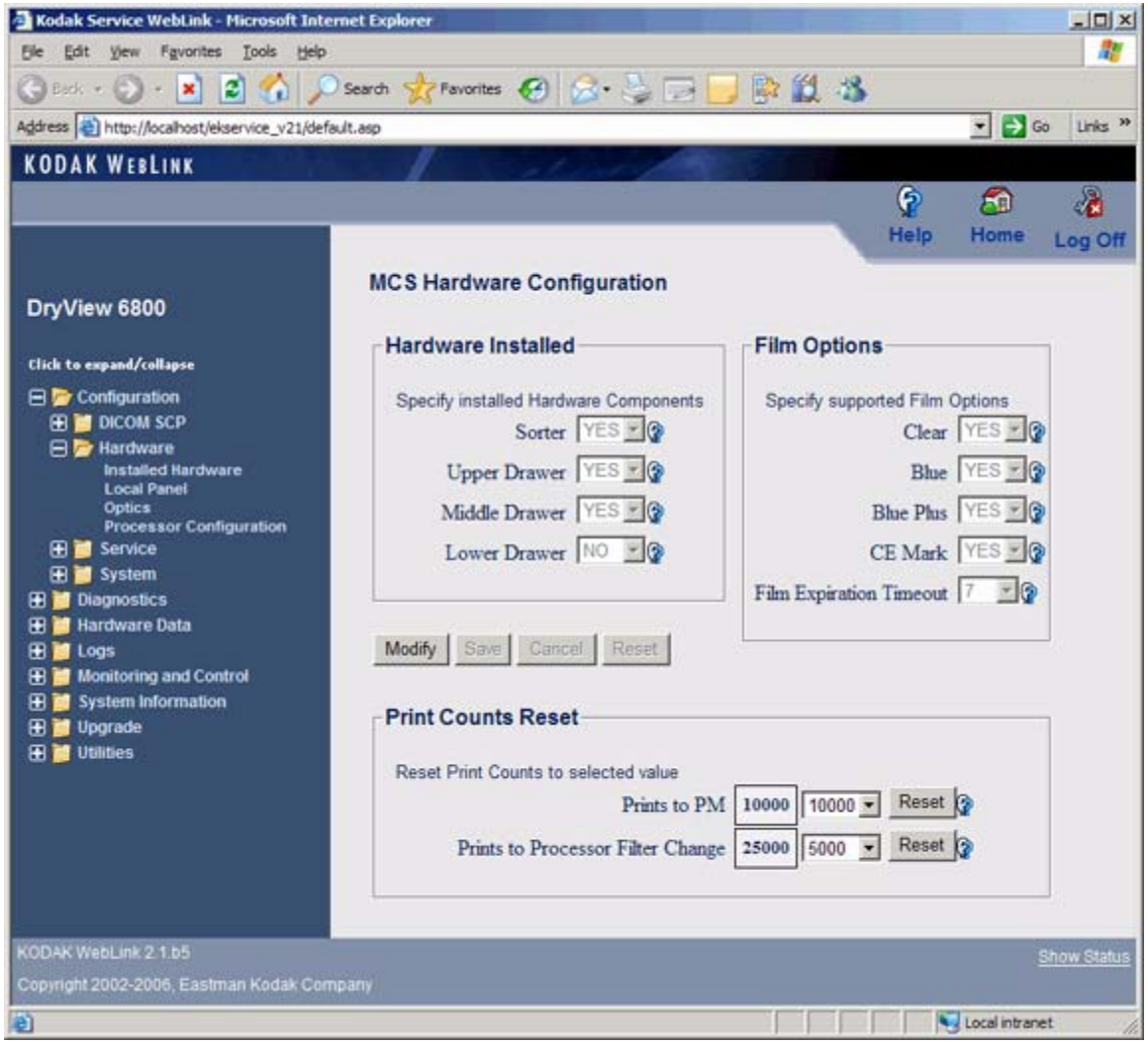
10 Make a print of a customer image.

11 Check the quality of the print with the customer.

12 Do **Resetting the PM Counts and Changing the Service History**.

Resetting the PM Counts and Changing the Service History

1 Use the SERVICE TOOL and select **Configuration>Hardware>Installed Hardware** to display the “MCS Hardware Configuration” screen.



2 In the “Print Counts Reset” area:

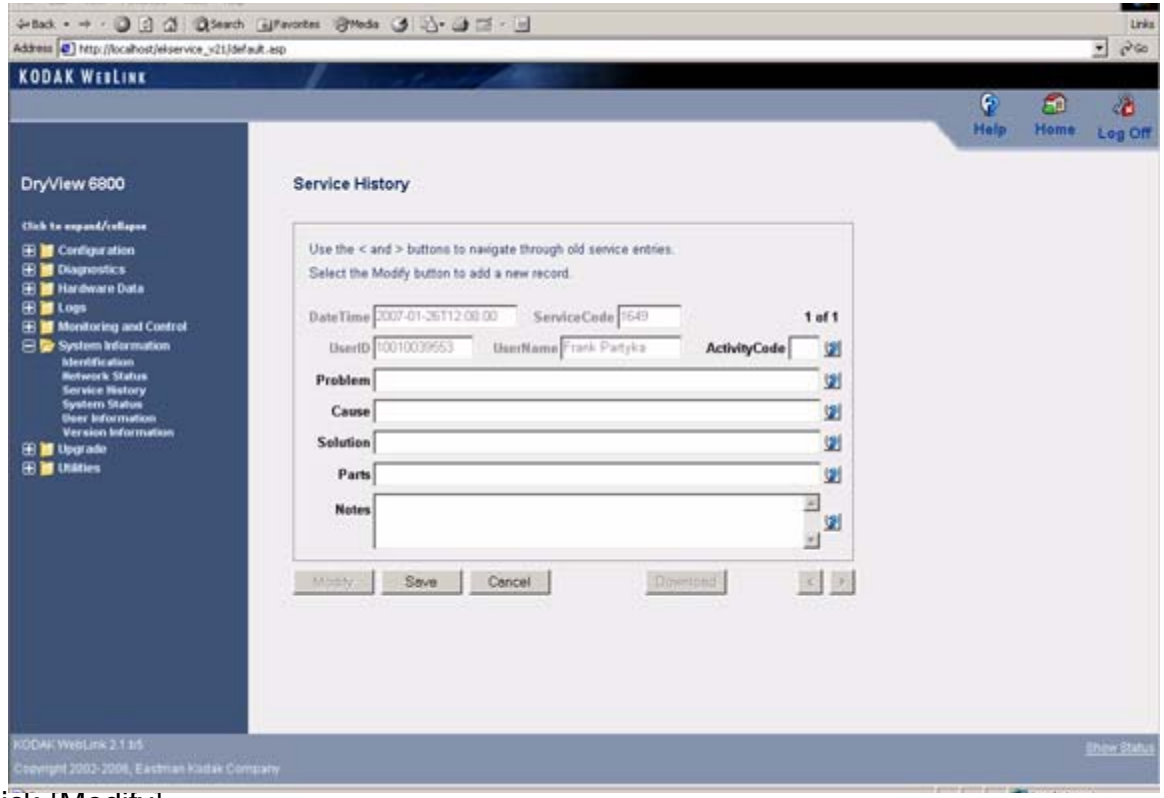
   a. Set the “Prints to PM” to **30,000**.

   b. Click [Reset].

   c. Set the “Prints to Processor Filter Change” to **15,000**.

   d. Click [Reset].

3 Select **System Information>Service History** to display the “Service History” log.



4 Click [Modify].

Note

The fields for “Date Time”, “Service Code”, “UserID”, and “User Name” will be entered automatically.

5 Enter:

- “Activity Code”: **PM**
- “Problem”: **PM due**
- “Cause”: **N/A**
- “Solution”: **N/A**
- “Parts”: part number and description of any part that was replaced
- “Notes”: the type of PM done (30K or 60K), and any information about the PM

Note

This information will be reviewed by the Field Engineer at the start of the next PM to determine which type of PM to do.

6 Click [Save].

7 To download the Service History to a file on the HARD DRIVE of your LAPTOP COMPUTER, click [Download].

8 Store the file in a selected folder.

9 Do **Completing the PM**.

Completing the PM

1. Log off from the SERVICE TOOL.
2. Disconnect the LAPTOP COMPUTER from the IMAGER.
3. Install:
   - ELECTRONICS FILTER
   - 2 SCREWS
4. Close the AIR INTAKE DOOR.
5. Place all used ALCOHOL WIPES in a BAG, SP78999828680, and discard.
6. Leave the extra PMM with the customer.

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